

Message Text

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INFO OCT-01 EA-10 IO-10 ISO-00 DODE-00 FEA-01 ACDA-10

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TO SECSTATE WASHDC 8953

INFO ALL NATO CAPITALS 4730

AMEMBASSY STOCKHOLM

AMEMBASSY TOKYO

USMISSION EC BRUSSELS

USMISSION OECD PARIS

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TAGS: SENV, NATO

SUBJECT: CCMS: LOW POLLUTION POWER SYSTEMS DEVELOPMENT

(LPPSD) - FRG- SPONSORED SECOND ANNUAL SYMPOSIUM, DUSSELDORF,
NOVEMBER 4-8, 1974

DEPARTMENT PLEASE PASS TO EPA FOR MESSRS.
STRELOW, GREEN, STORK, BROGAN AND HARRIS

REF: USNATO 5976

SUMMARY: FRG MINISTRIES OF INTERIOR AND OF RESEARCH AND
TECHNOLOGY WERE HOSTS FOR FIVE-DAY SECOND ANNUAL CCMS
SYMPOSIUM ON LPPSD, IN DUSSELDORF ON NOVEMBER 4-8, 1974.
SEVERAL HUNDRED GOVERNMENT AND INDUSTRY REPRESENTATIVES
FROM SIX NATO COUNTRY SIGNATORIES TO LPPSD MEMORANDUM OF
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UNDERSTANDING (FRG, FRANCE, ITALY, NETHERLANDS, UK AND U.S.)
PLUS CANADA AND SWEDEN, AND REPS FROM JAPANESE AUTO
INDUSTRY PARTICIPATED. MAJOR TECHNICAL EXHIBITION
OF LPPSD VEHICLES AND HARDWARE WAS HELD IN CONJUNCTION
WITH SYMPOSIUM AT SAME LOCATION. ESPECIALLY NOTABLE

IN THIS YEAR'S DISCUSSIONS WAS MARKEDLY INCREASED PRIORITY PARTICIPANTS HAVE ASSIGNED TO FUEL ECONOMY AND, MOST RECENTLY, TO NOISE ABATEMENT IN CONNECTION WITH LPPSD WORK. SOME PARTICIPANTS (INCLUDING U.S.) ALSO EXPRESSED CONSIDERABLE INTEREST IN AUTO USE CONTROL AS IMPORTANT COROLLARY TOPIC FOR POSSIBLE CCMS COOPERATION IN RELATION TO CCMS INITIATIVE ON LPPSD. NEW LPPSD WORK PROPOSALS ON EVALUATION CRITERIA AND NOISE ABATEMENT ARE UNDER ACTIVE CONSIDERATION AND AN INTENSIVE LPPSD-RELATED R&D PROGRAM INFORMATION EXCHANGE AMONG PARTICIPANTS HAS BEEN SET IN MOTION, LOOKING TOWARD EARLY POSSIBILITIES FOR SPECIFIC JOINT BILATERAL AND MULTI-LATERAL R&D COOPERATION IN FIELD AS DISCUSSED AT MEETING, PARTICULARLY BY EUROPEANS. COMPLETE SYMPOSIUM PROCEEDINGS ARE IN PREPARATION BY U.S. AS LPPSD PILOT COUNTRY, FOR CIRCULATION IN NEAR FUTURE. FOLLOWING ARE SOME OF MEETING HIGHLIGHTS. END SUMMARY.

1. HEADING U.S. DELEGATION IN DUSSELDORF WAS MR. ROGER STRELOW, ASSISTANT ADMINISTRATOR FOR AIR AND WASTE MANAGEMENT, EPA; ACCOMPANIED BY MESSRS. FITZHUGH GREEN, ASSOCIATE ADMINISTRATOR; ERIK O. STORK, DEPUTY ASSISTANT ADMINISTRATOR FOR MOBILE SOURCE AIR POLLUTION CONTROL; JOHN J. BROGAN, DIRECTOR OF ALTERNATIVE AUTOMOTIVE POWER SYSTEMS DIVISION (AAPS); GEORGE M. THUR, CHIEF, POWER SYSTEMS DEVELOPMENT BRANCH (AAPS); ALL OF EPA, AND ASSOCIATED U.S. PROGRAM, TECHNICAL, AND ADVISORY PERSONNEL.

2. OPENING SESSION: NATIONAL STATEMENTS AND STATUS REPORTS
A) NATO ASYG (AND ACTING CCMS CHAIRMAN) OZDAS GREETED DELEGATES AND DESCRIBED COMPLIMENTARY PROGRAMS OF NATO SCIENCE COMMITTEE, WHICH PROMOTES PURE SCIENTIFIC COOPERATION AMONG ALLIED COUNTRIES AND OTHERS, AND CCMS, WHICH JOINS TOGETHER NATIONAL EFFORTS TO FIND PRAGMATIC UNCLASSIFIED

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SOLUTIONS TO ENVIRONMENTAL AND OTHER PROBLEMS THROUGH APPLIED TECHNOLOGY. FRG INTERIOR UNDER SECRETARY HARTKOPF (WHO REGULARLY HEADS FRG DEL TO CCMS PLENARIES) KEYNOTED OPENING SESSION, REAFFIRMING FRG COMMITMENT TO CCMS PROGRAM AND TAKING PARTICULAR NOTE OF PROGRAM'S OPENNESS AS EVIDENCED BY NON-NATO COUNTRIES' PRESENCE AT DUSSELDORF MEETING. HARTKOPF DEFINED AS PRINCIPAL TASK UNDER LPPSD MEMORANDUM OF UNDERSTANDING (MOU) THE FACILITATING OF COMPATIBILITY OF TECHNICAL SYSTEMS INVOLVED, ON VIRTUALLY WORLD WIDE BASIS - IN U.S. AND EC NATIONS, JAPAN AND ELSEWHERE.

B) ON BEHALF U.S. AS CCMS PILOT COUNTRY FOR LPPSD INITIATIVE, U.S. DEL LEADER STRELOW (EPA) NOTED SIGNIFICANT PROGRESS SINCE ORIGINAL SIGNATURE OF MOU,

INCLUDING RECENT AGREEMENT BY PARTIES ON ANNEX TO PROVIDE EFFICIENT MEANS OF TECHNICAL EXCHANGE ON R&D AND TESTING. HE EMPHASIZED INCREASING IMPORTANCE OF FUEL ECONOMY IN LPPSD WORK. HE ALSO EXPRESSED GROWING USG ENVIRONMENTAL INTEREST IN MEASURES TO CONTROL AUTO USE, AS A COROLLARY TO AUTO EMISSIONS CONTROL, AND HE SUGGESTED CCMS COULD PROVIDE MECHANISM FOR EXPANDED COOPERATION INTO THIS RELATED ASPECT OF OVERALL PROBLEM. U.S. DEL MEMBER STOK (EPA) OUTLINED CURRENT U.S. PROGRESS ON IMPLEMENTATION OF CLEAN AIR ACT AND EXPRESSED UNWAVERING U.S. DETERMINATION TO HOLD LINE ON ACT'S ESSENTIAL OBJECTIVES. HE ADDED THAT RECENT U.S. STUDY HAD CONCLUDED THAT MAJOR FUEL ECONOMY WAS ALSO ACHIEVEABLE BY 1980 AT ACCEPTABLE COST WITHOUT COMPROMISE OF EXISTING ENVIRONMENTAL GOALS.

C) EC REP (STEICH-TAUF) DEFINED EC AIM RELATIVE TO LPPSD AREAS OF CONCERN AS ONE OF HARMONIZING NATIONAL ENVIRONMENTAL PROGRAMS TO ELIMINATE TECHNICAL BARRIERS TO TRADE, THROUGH HARMONIZATION OF SPECIFICATIONS OF "POLLUTING PRODUCTS".

D) CANADIAN REP (GUILLAIN - DIRECTOR, MOBILE SOURCE AIR POLLUTION CONTROL, ENVIRONMENT CANADA) EXPRESSED BASIC CANADIAN AGREEMENT WITH U.S. STRATEGY ON AUTO EMISSIONS REDUCTION. HE ALSO EXPRESSED INTEREST IN MEASURES FOR CONTROLLING AUTO USE.

F) FRG REP (MENKE-GLUECKERT, COUNSELOR FOR ENVIRONMENTAL LEGISLATION AND INTERNATIONAL ENVIRONMENTAL AFFAIRS, MINISTRY OF INTERIOR) OUTLINED FRG'S OBJECTIVES OF UNCLASSIFIED

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SHARPLY REDUCED EMISSIONS LEVELS BY 1980; HE ALSO MENTIONED NEW FRG PROGRAM ON VEHICLE NOISE REDUCTION. HE IDENTIFIED WORLDWIDE STANDARDIZATION OF VEHICLE EMISSIONS MEASUREMENT AND PERFORMANCE TESTS AS AN URGENT TASK FOR LPPSD PARTICIPANTS AND DESCRIBED CCMS AS HIGHLY COMPETENT BODY TO DEVELOP TECHNICAL RECOMMENDATIONS ALONG THESE LINES.

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G) UK REP (DONAL OF DOE) DESCRIBED UK APPROACH ON EMISSIONS CONTROL AS ONE OF "MAKING HASTE SLOWLY" WHILE WAITING RESULTS OF EC STUDIES. HE MENTIONED INTENSIFIED UK CONCERN FOR ENERGY CONSERVATION AS OFFSETTING FACTOR IN EARLY ACHIEVEMENT OF LPPSD ENVIRONMENTAL OBJECTIVES.

H) NETHERLANDS REP (VAN BAKHOOVEN) CITED DUTCH RESOLVE TO ACHIEVE DRASTIC EMISSIONS REDUCTION, BUT ACKNOWLEDGED THAT UNCHECKED TRAFFIC VOLUME GROWTH WAS LIKELY TO OFFSET AIR QUALITY GAINS. HE SAID SMOG FORMATION WAS BIGGEST AIR POLLUTION PROBLEM NOW FACING DUTCH. IN ADDTIOON TO DUTCH CONCERN ON EMISSIONS AND, INCREASINGLY, NOISE, HE TOO STRESSED IMPORTANCE OF FUEL ECONOMY.

I) SWEDISH REP (LJUNGSTROM, SWEDISH BOARD FOR TECHNICAL DEVELOPMENT) GAVE STATUS REPORT ON EMISSIONS CONTROL IN SWEDEN, ADDING THAT SWEDEN'S AIR QUALITY CONCERNS AT HOME WERE ENHANCED THE MORE BY ITS INTEREST IN UNCLASSIFIED

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AUTO EXPORT MARKET. HE NOTED THAT SWEDEN HAD JUST COMPLETED COMPREHENSIVE STUDY ON NOISE POLLUTION.

J) IN CONCLUDING EXCHANGE AT OPENING SESSION, CANADIAN REP STRESSED NEED FOR INTERNATIONAL STANDARDS ON EMISSIONS AND HE COMMENDED U.S. PROGRAM'S TIMETABLE AS MODEL FOR OTHERS. UK REP SAID THAT RATE OF PROGRESS DEMANDED IN U.S. HAD MERIT ON PURELY ENVIRONMENTAL GROUNDS BUT HE QUESTIONED ITS PRACTICALITY IN EUROPE; HE COMMENTED THAT UK LACKED PRECISE HEALTH EFFECTS DATA BEING CITED BY U.S. U.S. REP STRELOW EXPLAINED NECESSITY, AS SEEN BY U.S. AUTHORITIES, OF PRODDING INDUSTRY WITH TOUGH, BUT NONETHELESS TECHNICALLY FEASIBLE DEADLINES FOR DEVELOPMENT OF NEW EMISSIONS REDUCTION TECHNOLOGY TO MEET FEDERAL REQUIREMENTS; HOWEVER USG LEFT TO INDUSTRY ITSELF THE TASK OF DECIDING ON SPECIFIC TECHNOLOGICAL DIRECTIONS TO TAKE. IN CLOSING THE INITIAL DISCUSSION, FRG REP (MENKE-GLUECKERT) COMMENDED U.S. INITIATIVE IN LPPSD WHICH WAS HELPING TO FORCE BASIC ISSUES INVOLVED AND TO HIGHLIGHT THEM FOR OTHERS. HE MAINTAINED IT WAS ESSENTIAL TO "INTERNATIONALIZE" U.S. PROGRAM ON EMISSIONS CONTROL AND HE URGED CONTINUOUS EXCHANGE IN FIELD THROUGH CCMS AND OTHER AVAILABLE CHANNELS.

3. BALANCE OF WEEK CONSISTED OF GOVERNMENT AND INDUSTRY TECHNICAL PRESENTATIONS ON ONGOING R&D AND DEMONSTRATION WORK RELATED TO LPPSD. ONE HIGHLIGHT WAS U.S. PRESENTATION (ESPOSITO, DOT/NHTSA) ON EXPERIMENTAL SAFETY VEHICLES (ESV) PROGRAM, WHICH HAS PARALLELED LPPSD AS CCMS INITIATIVE. ESPOSITO STRESSED INTERRELATIONSHIP OF TWO PROGRAMS AS PART OF TOTAL VEHICLE SYSTEMS APPROACH AND NOTED BASIC SIGNIFICANCE OF VEHICLE WEIGHT IN RELATION TO SAFETY, EXHAUST EMISSIONS AND FUEL ECONOMY CONSIDERATIONS.

4. HELD IN CONJUNCTION WITH SYMPOSIUM WAS EXTENSIVE LPPSD TECHNICAL EXHIBITION, FEATURING VEHICLES AND COMPONENT HARDWARE UNDER DEVELOPMENT BY MOU SIGNATORY GOVERNMENTS AND THEIR INDUSTRY, AND INCLUDING EXTENSIVE U.S. DISPLAY ON EPA'S ALTERNATIVE AUTOMOTIVE POWER SYSTEMS (AAPS) PROGRAM.

5. FINAL MEETING OF GOVERNMENT DELEGATES - AT CONCLUSION OF WEEK LONG SYMPOSIUM, NATIONAL DELEGATES GATHERED IN CLOSED SESSION CHAIRED BY U.S. (GREEN, EPA)
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TO DISCUSS NEXT PHASE OF LPPSD WORK UNDER MOU.

A) U.S. REP (GREEN) CALLED FOR SUSTAINED, ACTIVE COOPERATION ON LPPSD, EMPHASIZING AGAIN THE INCREASING IMPORTANCE U.S. PROGRAM ATTACHES TO FUEL ECONOMY AND REITERATING U.S. INTEREST IN POSSIBLE APPLICATIONS OF AUTO USE CONTROL TO ACHIEVE REDUCTIONS IN BOTH AIR POLLUTION AND ENERGY USE. HE EXPRESSED U.S. WILLINGNESS TO MAKE AVAILABLE A RECENT STUDY ON SOCIO-ECONOMIC RAMIFICATIONS OF A CHANGEOVER IN AUTO TYPES. HE SAID U.S. IS ALSO WORKING TOWARD AUTOMOTIVE NOISE REGULATION AND STANDS TO GAIN FROM AVAILABLE EXPERTISE OF OTHERS. U.S. UPDATE ON RANKINE CYCLE AND TURBINE ENGINE PROGRAMS IS DUE FOR COMPLETION IN ONE YEAR AND THE PROSPECTS FOR THESE POWER SYSTEMS AT THAT TIME WILL BE AVAILABLE FOR ASSESSMENT.

B) FRG REP (DREISSIGACKER, MINISTRY OF INTERIOR), MENTIONED THAT THE FEDERAL GOVERNMENT'S LEGISLATIVE SIGNALS FOR THE 1980 MODEL YEAR MUST BE GIVEN TO FRG INDUSTRY NEXT YEAR IN ORDER ENABLE IT TO GEAR UP IN TIME; HENCE FRG GOVERNMENT AND INDUSTRY WILL BE WORKING CLOSELY TOGETHER TO DEVELOP AND IMPLEMENT SUCH LEGISLATION -- FRG EXPERIENCE GAINED IN PROCESS WILL BE CONTRIBUTED TO LPPSD PROGRAM. FRG ALSO HOPED BY NEXT LPPSD SYMPOSIUM TO SEE SOME SPECIFIC COOPERATIVE LPPSD UNDERTAKINGS DEVELOPED AMONG PARTICIPATING COUNTRIES.

C) NETHERLANDS REP (VAN BAKHOVEN) ALSO EXPRESSED INTEREST IN JOINT RESEARCH POSSIBILITIES, SPECIFICALLY IN DUTCH COOPERATION WITH OTHER COUNTRIES IN ASSESSMENT OF PHILIPS STIRLING ENGINE WHICH SHORTLY WILL ENTER CRUCIAL TESTING PHASE.

D) SWEDISH REP (LJUNGSTROM) EXPRESSED STRONG INTEREST

IN WORK ON VEHICLE NOISE, ON WHICH SWEDES ALREADY ACTIVE AT HOME, AND AGREED TO EXPLORE POSSIBILITY OF SWEDEN'S ORGANIZING AND LEADING SPECIFIC LPPSD-RELATED COOPERATIVE PROJECT IN THIS FIELD. SWEDEN WAS ALSO KEENLY INTERESTED IN BROADER SUBJECT OF EVALUATION CRITERIA (ALREADY DISCUSSED AT FIRST LPPSD SYMPOSIUM IN ANN ARBOR LAST YEAR) AND AGREED TO CONSULT WITH U.M PILOT COUNTRY AUTHORITIES (EPA) ON POSSIBILITY OF ORGANIZING A PROJECT PANEL TO DEVELOP RECOMMENDATIONS IN THIS AREA AND REPORT ON SUBJECT AT NEXT SYMPOSIUM. ACCORDING LJUNGSTROM, SWEDEN ALSO INTERESTED IN JOINT R&D COOPERATION ON CERAMICS. IN CONNECTION WITH LPPSD.

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E) ITALIAN REP (FIAT OFFICIAL, NAME NOT AVAILABLE HERE) STRONGLY FAVORED INCLUSION OF VEHICLE NOISE ABATEMENT AS WELL AS HEIGHTENED CONCERN FOR FUEL CONSUMPTION AS COMPONENTS IN LPPSD PROGRAM. HE STRESSED CONVICTION IN HIS COUNTRY THAT SMALLER VEHICLE SIZE, RATHER THAN ALTERNATIVE TECHNOLOGY, IS KEY DETERMINANT OF FUEL ECONOMY.

F) CANADIAN REP (GUILLAIN) STATED THAT CANADA'S LIMITED PROGRAM RESOURCES IN FIELD WOULD PRECLUDE VERY ACTIVE PARTICIPATION IN LPPSD WORK BUT THAT IT WOULD CONTINUE MONITORING DEVELOPMENTS AS CLOSELY AS POSSIBLE.

G) ON POSSIBLE INTEGRATION OF LPPSD AND ESV PROGRAMS, GROUP AGREED THAT EACH PROGRAM SHOULD TAKE THE OTHER FULLY INTO ACCOUNT AS ADDRESSING KEY COMPLEMENTARY FACTORS BEARING ON TOTAL AUTOMOTIVE SYSTEM. SATISFACTORY CROSS-FERTILIZATION ARRANGEMENT FOR PRESENT WOULD BE TO CONTINUE TO SCHEDULE A PRESENTATION ON DEVELOPMENTS OF EACH RESPECTIVE PROGRAM AS AN AGENDA ITEM AT SYMPOSIUM OF THE OTHER (AS DONE VIA DOT/ESPOSITO PRESENTATION AT DUSSELDORF LPPSD MEETING AND EPA/BROGAN PRESENTATION AT ESV MEETING IN LONDON LAST JUNE).

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H) ON FREQUENCY OF LPPSD SYMPOSIA (WHICH MOU CALLS FOR ANNUALLY), FRG HOSTS QUESTIONED WHETHER ANOTHER SUCH MAJOR CONFERENCE AND EXHIBITION AS IN DUSSELDORF WOULD BE USEFUL -- AND PRACTICAL, AFTER INTERVAL OF ONLY ONE YEAR. AFTER SOME DISCUSSION MOST DELEGATES PRESENT AGREED THAT SMALLER-SCALE ANNUAL SYMPOSIUM OF 2-3 DAYS DURATION, BRINGING TOGETHER GOVERNMENT LPPSD AND RELATED PROGRAM OFFICIALS AND EXPERTS (WITH EACH NATIONAL DELEGATION ENCOURAGED TO INCLUDE INDUSTRY REPS AS WELL), WOULD DEFINITELY BE WORTHWHILE ON ANNUAL BASIS BUT THAT EFFORTS SHOULD BE MADE TO KEEP DIMENSIONS OF EVENT FOR NEXT YEAR OR SO WITHIN REASONABLE BOUNDS; ALL-OUT EFFORT LASTING ENTIRE WEEK, WITH HUNDREDS OF PARTICIPANTS PLUS MAJOR TECHNICAL EXHIBITION AS IN DUSSELDORF, WAS NOT NECESSARILY OBLIGATORY EVERY UNCLASSIFIED

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TIME. SLIGHTLY LONGER LEAD TIME FOR MORE MAJOR CONVOCATIONS (A LA DUSSELDORF) AT 2-3 YEAR INTERVALS WOULD GIVE THESE GREATER SUBSTANCE AND IMPACT WHEN THEY OCCURRED; SOMEWHAT MORE COMPACT ANNUAL GATHERINGS WOULD CONTINUE PROVIDE EFFECTIVE AND NECESSARY YEAR-TO-YEAR IMPETUS TO ONGOING LPPSD COOPERATION. ON THIS BASIS, UK (DONALD) AND ITALIAN REPS BOTH SAID THEY WOULD QUERY THEIR AUTHORITIES AS TO POSSIBILITY OF HOSTING NEXT MEETING, AND UK REP BELIEVED HIS COUNTRY TO BE LIKELY CANDIDATE. FRANCE WAS ALSO MENTIONED AS DESIRABLE AND TIMELY LPPSD MEETING LOCATION, AND FRENCH REP SAID HE WOULD PASS THIS ON TO HIS AUTHORITIES. GROUP AGREED THAT NEXT SYMPOSIUM SHOULD TAKE PLACE ON OR ABOUT 1 NOVEMBER 1975, PREFERABLY AT A LOCATION WHICH WOULD ENABLE ON-SITE INSPECTION OF THAT COUNTRY'S LPPSD WORK.

I) US REP (BROGAN), IN RESPONSE TO FRG, NETHERLANDS AND SWEDISH INTEREST IN JOINT RESEARCH, ACKNOWLEDGED SUCCESS OF CCMS IN OTHER FIELDS IN EFFECTIVELY PROMOTING BILATERAL AND MULTI-LATERAL RESEARCH ACTIVITY (ALSO A STATED AIM OF LPPSD/MOU). HE SUGGESTED AS FIRST STEP THAT US PREPARE OVERLAY

TO DUSSELDORF MEETING REPORT TO BE CIRCULATED TO ALL PARTICIPANTS, PINPOINTING WHOLE RANGE OF INTERNATIONAL LPPSD-RELATED RESEARCH ACTIVITY, DRAWING ON INFORMATION PRESENTED AT DUSSELDORF OR OTHERWISE PROVIDED BY PARTICIPANT COUNTRIES, SO AS TO REVEAL PARALLEL AND POSSIBLY COMPLEMENTARY WORK UNDER WAY OR PLANNED, AS WELL AS OBVIOUS RESEARCH GAPS. SUCH AN INVENTORY COULD PROVIDE BASIS FOR LATER DETERMINATION OF WHERE JOINT OR COORDINATED RESEARCH ACTIVITY MIGHT MOST EFFECTIVELY MAXIMIZE OVERALL LPPSD EFFORT. UK REP RESPONDED FAVORABLY AND EXPRESSED READINESS TO MAKE AVAILABLE INFORMATION ON HMG-FUNDED PROGRAMS IN BEING OR PROJECTED, WHICH RELATE TO LPPSD, AS HE SAID UK AND FRG ARE ALREADY DOING UNDER BILATERAL ENVIRONMENTAL ARRANGEMENT; IN HIS VIEW SUCH AN UP-TO-DATE PROGRAM INFORMATION EXCHANGE WOULD BE EXTREMELY USEFUL TO HAVE IN HAND BEFORE EMBARKING ON POSSIBLE JOINT MULTI-LATERAL UNDERTAKINGS. FRG REP ALSO UNCLASSIFIED

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WELCOMED US SUGGESTION AND EXPRESSED WILLINGNESS TO EXCHANGE DETAILED INFORMATION AND FUNDING DATA ON ITS PROGRAMS IN FIELD. GROUP AS A WHOLE SUPPORTED US PROPOSAL AND WILL PROVIDE US AND OTHER PARTICIPANTS WITH FULL PROGRAM DATA AS INDICATED. MCAULIFFE

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